

Title (en)  
A METHOD FOR CONTROLLING A SUPER CAPACITOR MODULE FOR A VEHICLE WITH A HIGH VOLTAGE POWER SOURCE

Title (de)  
VERFAHREN ZUM STEUERN EINES SUPERKONDENSATORMODULS FÜR EIN FAHRZEUG MIT EINER HOCHSPANNUNGSQUELLE

Title (fr)  
PROCÉDÉ DE COMMANDE D'UN MODULE DE SUPERCONDENSATEUR POUR UN VÉHICULE DOTÉ D'UNE SOURCE D'ALIMENTATION HAUTE TENSION

Publication  
**EP 3736177 B1 20220223 (EN)**

Application  
**EP 19173268 A 20190508**

Priority  
EP 19173268 A 20190508

Abstract (en)  
[origin: EP3736177A1] A method for controlling a super capacitor module (1) for a vehicle comprises the steps of: detecting (s1) that a low voltage power source (8) is attached to the super capacitor module (1), in response to detecting that a low voltage power source (8) is attached to the super capacitor module (1), operating (s2) the high-power control electronics so as to choose charging intervals of the super capacitor (3) so that the voltage of the super capacitor is above the nominal voltage of the low voltage power source (8), detecting (s3) that a low voltage power source is not attached to the super capacitor module (1), detecting (s4) that at least one ECU (9) is connected to the super capacitor module (1), in response to not detecting that a low voltage power source (8) is attached to the super capacitor module (1) and detecting that an ECU (9) is connected to the super capacitor module (1), operating (s5) the high-power control electronics so as to choose charging intervals of the super capacitor (3) within allowable intervals for the at least one ECU (9), detecting (s6) that a starter motor (10) is not attached to the super capacitor module (1), in response to not detecting that a starter motor (10) is attached to the super capacitor module (1), utilizing (s7) the high-powered DC-DC circuit (5) to convert high voltage power from the high voltage power source (1) to low voltage and supplying the low voltage to the low voltage supply system.

IPC 8 full level  
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